

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tomohisa ARAI et al.
Title: THERMOELECTRIC ELEMENT AND ELECTRONIC COMPONENT
MODULE AND PORTABLE ELECTRONIC APPARATUS USING IT
Appl. No.: Unassigned
Filing Date: 12/17/2004
Examiner: Unassigned
Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

RELEVANCE OF EACH DOCUMENT

Documents A1-A9 listed on the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding International application. Copies of the documents are not being provided since copies should have been provided directly by WIPO under an exchange program between the PTO, the EPO and the JPO. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

The relevance of documents A10-A14 is described in the present specification.

Documents A1, A5-A9 claim priority based on the same first-filed application.

English translations of the foreign-language documents are not readily available. However, English language abstracts are provided herewith. Consequently, the foreign language documents have been submitted in compliance with the PTO requirements and, therefore, the documents should be considered by the Examiner (37 CFR §1.97, §1.98 and MPEP §609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a

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Atty. Dkt. No. 017447-0186

DT01 Rec'd PCT/PTC 17 DEC 2004

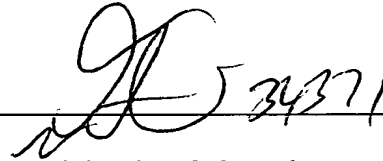
check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: December 17, 2004

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By

A handwritten signature in dark ink, appearing to be 'RS 34371', written over a horizontal line.

Richard L. Schwaab
Attorney for Applicant
Registration No. 25,479

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: December 17, 2004 (use as many sheets as necessary)				Complete if Known Application Number Unassigned 10/518399 Filing Date 12/17/2004 First Named Inventor Tomohisa ARAI Group Art Unit Unassigned Examiner Name Unassigned Attorney Docket Number 017447-0186	
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,233,944	B1	YAMADA et al.	05-22-2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A2	JP	2002-100816	A	MATSUSHITA REFRIG. CO., LTD.	04-05-2002		
	A3	JP	2002-89990	A	MITSUBISHI ELECTRIC CORP.	03-27-2002		
	A4	JP	11-294891	A	DAIKIN IND., LTD.	10-29-1999		
	A5	JP	11-121816	A	MORIKKUSU KK	04-30-1999		
	A6	EP	9 63 611		MORIX CO., LTD. et al.	12-15-1999		
	A7	WO	99/21234	A1	MORIX CO., LTD. et al.	04-29-1999		
	A8	IL	130 382		MORIX CO., LTD. et al.	12-01-2002		
	A9	TW	425729			03-11-2001		
	A10	JP	9-298319	A	KITAGAWA IND. CO., LTD.	11-18-1997		Abs.
	A11	JP	2001-332773	A	YAMAHA CORP.	11-30-2001		Abs.
	A12	JP	5-63244	A	NIPPONDENSO CO., LTD.	03-12-1993		Abs.
	A13	JP	7-131077	A	NIPPONDENSO CO., LTD.	05-19-1995		Abs.
	A14	JP	7-297453	A	NIPPONDENSO CO., LTD.	11-10-1995		Abs.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.